

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		<b>PAGE 1 OF 9 PAGES</b>	
2. AMENDMENT/MODIFICATION NO. 02		3. EFFECTIVE DATE 05/07/2008		4. REQUISITION/PURCHASE REQ. NO. GA 080053		5A. TITLE: AC06002, Arc Flash Labeling of Elect. Dist. Sys.	
				5B. PROJECT NO.			
6. ISSUED BY  <b>AOC - Procurement Division</b> 2nd & D Streets, SW Room H2-263 WASHINGTON, DC 20515				7. ADMINISTERED BY (If other than Item 6)  <b>AOC - Procurement Division</b> 2nd & D Streets, SW ATTN: Ryan Kirkwood Room H2-263 WASHINGTON, DC 20515			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, country, state and ZIP Code)				(X)		9A. AMENDMENT OF SOLICITATION NO. RFP080020	
				X		9B. DATED (SEE ITEM 11) 04/17/2008	
						10A. MODIFICATION OF CONTRACT/ORDER NO.	
						10B. DATED (SEE ITEM 11)	
CODE				FACILITY CODE			

## 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☒ is extended, ☐ is not extended,

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 7 and 14, and returning \_\_\_1\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)  
SEE LINE ITEMS

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS.  
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)  
The purpose of this Amendment is to answer Contractor questions and extend the due date for proposals from 05/17/2008 to 05/23/2008.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Ryan I. Kirkwood Contracting Officer	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  BY _____ (Signature of Contracting Officer)	16C. DATE SIGNED 05/07/2008

## Summary Info Continuation Page

### B.2

---

Question #1 - "I have two follow-on questions regarding the "Revised Single-Line Diagram" pricing item. I'm assuming that AOC is limiting the "revised single line diagrams" to those actually included in the study and not literally EVERY circuit breaker in the facility, correct?"

Yes. The revised single line diagrams will only reflect equipment to be labeled as part of the contract. Down stream equipment is not to be included on the revised single line diagram.

Question #2 - "Normally, we will model a facility until we achieve a certain Incident Energy level and then we STOP modeling. Often this excludes small circuit breaker panels that feed offices, etc. If AOC wants us to create COMPLETE Schematic diagrams for every building, we can certainly do that but it will add significant cost to each building."

The equipment to be labeled (and included on the revised single line diagrams) as part of the contract is listed in Section C - Statement of Work in section B.8. It is recognized that in the case of low voltage circuit breakers the incident energy that creates the arc flash hazard can come from both the line and load sides of the breaker. Calculations of the potential incident energy from an arc flash should include energy contributions from both the line and load side of equipment to be labeled. However, the equipment on the line side of the low voltage circuit breakers is to be included in the calculations but not required to be labeled (or included on the revised single line diagrams) as part of the contract.

Question #3 - Also, are we allowed to submit our own Statement of Work to this proposal? I would like to articulate our Deliverables and our methodology in the proposal because it sets us apart from the competition.

See Section L L.2 page 42 for instructions on what to submit and Section M M.1 page 47 for how what you submit will be evaluated.

Question #4 - Item # 3 page 9 advises that site visits by contractor will be required to gather additional information; and the Government will provide qualified persons to assist removing covers. Will this take place during normal working hours ( Mon-Friday)?

Yes.

Question #5 - Item # 8 page 11 requests drawings to be provided in Microstation CAD format- is AutoCAD format acceptable also?

No.

Under Current Conditions - Item # 5 page 7 states that single line diagrams are available for all of the primary and secondary equipment for all of the buildings. Are these diagrams currently updated to reflect new equipment recently installed and / or modified? The drawings provided show new and recently installed switchgear equipment and are updated on a regular basis. Any discrepancies between the Government provided single line diagrams and the contractor's field observations are to be reflected in the 'revised single line diagrams(s)' required in item #4 page 9.

Question #6 - Item # 7 page 7 states that Nameplate data for the electrical components is available and will be provided. Does this include individual circuitbreaker protective trip devices (manufacturer, type, and settings) which are required for these studies?

No, this is information is to be gathered by the Contractor during field work.

Question #7 - Why do Options #6, #7 and #8 not have a line item for "Coordination Study" (Page 5 and 6)?

These buildings have main distribution panels and do not have switchgear with circuit breakers containing adjustable relay settings, therefore coordination study is not required.

Question #8 - Page 9 Section D3, will Government's "qualified person" assisting with the site visits conform to the PPE requirements of NFPA 70E? Also, will they have Arc Flash Safety Training?

Yes

Question #9 - Page 10 Section 9a, what is considered "high incident energy conditions" and what will be the criteria for determining that sufficient effort was made to reduce these conditions?

High incident energy conditions and sufficient effort to reduce these conditions will be determined by the Registered Professional Electrical Engineer who is ultimately required to stamp the Arc Flash Analysis Report.

Question #10 - Are cameras allowed in the facilities to gather data for later review?

Yes

Question #11 - Can the preliminary Short-Circuit, Coordination and Arc-Flash Studies for each building be submitted simultaneously?

No

Question #12 - Page 12 Section F6, can report files be submitted in MSWord format?

Yes

Question #13 - Page 43 Section (3) (viii), what type of photographs are required for completed Engineering Studies?

Section L Article L.3 Evaluation Factor 3, Section viii - Photographs of the Completed Work. Photographs are not really applicable here so we are deleting this requirement.

Question #14 - Can the required 10 past projects for arc flash analysis be provided by the subcontractor in lieu of the prime contractor?

Yes

Question #15A - Are any of the electrical equipment spaces considered confined spaces?

No

Question #15B - If so, will the AOC provide the monitoring equipment and certified hygienist required to work in a confined space?

Does not apply since the spaces are not permit required confined spaces.

Question #16 - Are photographs of the subcontractor's projects a requirement for all projects?

See Question #13.

Question #17 - Where is the referenced article "Instructions for Preparing the Price Proposal" in Section L?

See Page 46 AOC52.215-6 Preparation of Proposals (MAY 2007) and list fully burdened prices in Section B pages 2 - 6.

Question #18 - Page 8 and 9 of 48 list equipment to be labeled. Typically the individual breakers do not get labeled - the switchgear/switchboard does. Also, the transformers typically do not get labeled - they are not a maintenance item. As an example, the Library of Congress, Jefferson Building; typically labels would only be for the 15 kV Primary switchgear: 1; the low voltage switchgear: 3; generator: 1; and the 21 automatic transfer switches. Is this the Government's intent or will a label also be required for each individual circuit breaker, such as the 40 low voltage circuit breakers?

One label for HV each switchgear, each LV switchgear, each generator, and each ATS. If the transformer is located outside of the switchgear room we need a label on the primary disconnect switch.

Question #19A - Are the protective devices below the low voltage draw-out circuit breakers to be included in the coordination study?

No.

Question #19B - If not, we can only coordinate the main breaker, if present, to the current settings of the feeder low voltage draw-out circuit breakers.

Yes.

Question #20 - Will existing Microstation CAD files be available for updating?

Yes.

### BASE

Number	Commodity Name	Quantity	Unit of Issue	Unit Price (\$)	Total Cost (\$, Inc. disc)
1	Jefferson, Library of Congress - Revised Single Line Diagram	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
2	Jefferson, Library of Congress - Short Circuit Study	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
3	Jefferson, Library of Congress - Coordination Study	Total : 1.00	LT	\$	\$

	<b>Description:</b>				
4	Jefferson, Library of Congress - Arc Flash Report	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
5	Jefferson, Library of Congress - Arc Flash Labels	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
6	United States Capitol - Revised Single Line Diagram	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
7	United States Capitol - Short Circuit Study	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
8	United States Capitol - Coordination Study	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
9	United States Capitol - Arc Flash Report	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
10	United States Capitol - Arc Flash Labels	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
11	Capitol Police Headquarters - Revised Single Line Diagram	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
12	Capitol Police Headquarters - Short Circuit Study	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
13	Capitol Police Headquarters - Coordination Study	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
14	Capitol Police Headquarters - Arc Flash Report	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
15	Capitol Police Headquarters - Arc Flash Labels	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
16	Option 1 - Madison, Library of Congress - Revised Single Line Diagram	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
17	Option 1 - Madison, Library of Congress - Short Circuit Study	Total : 1.00	LT	\$	\$

<b>Description:</b>					
18	Option 1 - Madison, Library of Congress - Coordination Study	Total : 1.00	LT	\$	\$
<b>Description:</b>					
19	Option 1 - Madison, Library of Congress - Arc Flash Report	Total : 1.00	LT	\$	\$
<b>Description:</b>					
20	Option 1 - Madison, Library of Congress - Arc Flash Labels	Total : 1.00	LT	\$	\$
<b>Description:</b>					
21	Option 2 - Capitol Visitor Center - Revised Single Line Diagram	Total : 1.00	LT	\$	\$
<b>Description:</b>					
22	Option 2 - Capitol Visitor Center - Short Circuit Study	Total : 1.00	LT	\$	\$
<b>Description:</b>					
23	Option 2 - Capitol Visitor Center - Coordination Study	Total : 1.00	LT	\$	\$
<b>Description:</b>					
24	Option 2 - Capitol Visitor Center - Arc Flash Report	Total : 1.00	LT	\$	\$
<b>Description:</b>					
25	Option 2 - Capitol Visitor Center - Arc Flash Labels	Total : 1.00	LT	\$	\$
<b>Description:</b>					
26	Option 3 - Botanic Garden Conservatory - Revised Single Line Diagram	Total : 1.00	LT	\$	\$
<b>Description:</b>					
27	Option 3 - Botanic Garden Conservatory - Short Circuit Study	Total : 1.00	LT	\$	\$
<b>Description:</b>					
28	Option 3 - Botanic Garden Conservatory - Coordination Study	Total : 1.00	LT	\$	\$
<b>Description:</b>					
29	Option 3 - Botanic Garden Conservatory - Arc Flash	Total : 1.00	LT	\$	\$

	Report				
	<b>Description:</b>				
30	Option 3 - Botanic Garden Conservatory - Arc Flash Labels	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
31	Option 4 - Botanic Garden Blue Plains Facility - Revised Single Line Diagram	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
32	Option 4 - Botanic Garden Blue Plains Facility - Short Circuit Study	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
33	Option 4 - Botanic Garden Blue Plains Facility - Coordination Study	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
34	Option 4 - Botanic Garden Blue Plains Facility - Arc Flash Report	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
35	Option 4 - Botanic Garden Blue Plains Facility - Arc Flash Labels	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
36	Option 5 - Supreme Court - Revised Single Line Diagram	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
37	Option 5 - Supreme Court - Short Circuit Study	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
38	Option 5 - Supreme Court - Coordination Study	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
39	Option 5 - Supreme Court - Arc Flash Report	Total : 1.00	LT	\$	\$
	<b>Description:</b>				
40	Option 5 - Supreme Court - Arc Flash Labels	Total : 1.00	LT	\$	\$
	<b>Description:</b>				

41	Option 6 - 501 First Street House Page Dormitory - Revised Single Line Diagram	Total : 1.00	LT	\$	\$
<b>Description:</b>					
42	Option 6 - 501 First Street House Page Dormitory - Short Circuit Study	Total : 1.00	LT	\$	\$
<b>Description:</b>					
43	Option 6 - 501 First Street House Page Dormitory - Arc Flash Report	Total : 1.00	LT	\$	\$
<b>Description:</b>					
44	Option 6 - 501 First Street House Page Dormitory - Arc Flash Labels	Total : 1.00	LT	\$	\$
<b>Description:</b>					
45	Option 7 - Daniel Webster Senate Page Dormitory - Revised Single Line Diagram	Total : 1.00	LT	\$	\$
<b>Description:</b>					
46	Option 7 - Daniel Webster Senate Page Dormitory - Short Circuit Study	Total : 1.00	LT	\$	\$
<b>Description:</b>					
47	Option 7 - Daniel Webster Senate Page Dormitory - Arc Flash Report	Total : 1.00	LT	\$	\$
<b>Description:</b>					
48	Option 7 - Daniel Webster Senate Page Dormitory - Arc Flash Labels	Total : 1.00	LT	\$	\$
<b>Description:</b>					
49	Option 8 - Senate Child Care Center - Revised Single Line Diagram	Total : 1.00	LT	\$	\$
<b>Description:</b>					
50	Option 8 - Senate Child Care Center - Short Circuit Study	Total : 1.00	LT	\$	\$
<b>Description:</b>					
51	Option 8 - Senate Child Care Center - Arc Flash	Total : 1.00	LT	\$	\$



	Report				
	Description:				
52	Option 8 - Senate Child Care Center - Arc Flash  Labels	Total : 1.00	LT	\$	\$
	Description:				

Lump-Sum Price for Base

\$
----